



01-10-05

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PATENT
671302-2004IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Shirai et al.
Serial No. : 10/784,633
For : RAT HIGHLY SENSITIVE TO CARCINOGEN
Filed : February 23, 2004
Examiner : TBA
Art Unit : 1632

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Adam Ahmed

(Typed or printed name of person mailing paper or fee)

A. Ahmed

(Signature of person mailing paper or fee)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants respectfully direct the Examiner's attention to the documents listed on the accompanying PTO-1449 form, and which are enclosed herewith.

The Information Disclosure Statement submitted herewith is being filed before the mailing date of a first Office Action on the merits. Accordingly, it is believed that no fee is required. However, the Commissioner is authorized to charge any additional fee, or to credit any overpayment in fees, to Deposit Account No. 50-0320.

The filing of this Information Disclosure Statement is not an admission that the documents identified herein constitute prior art to the present application.

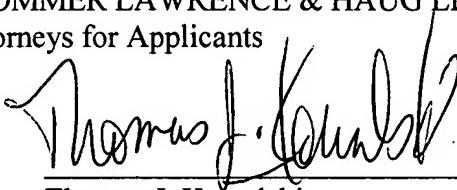
Consideration of this Information Disclosure Statement is respectfully requested.

Applicants respectfully request that a copy of Form PTO-1449 be initialed by the Examiner and returned to the undersigned.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP
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By:



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Based on Form PTO-1449 (3/90)  LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				ATTY. DOCKET NO.	SERIAL NO.			
				671302-2004			10/784,633	
				APPLICANT			Shirai ET AL.	
FILING DATE February 23, 2004				GROUP			1632	
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AB		Temme, et al. High Incidence of spontaneous and chemically induced liver tumors in mice deficient for connexin 32 (1997) Current Biology 7: 713-716					
	AB		Inoguchi et al. Altered gap junction activity in cardiovascular tissues of diabetes (2001) Med Electronic Microsc 34: 86-91					
	AC		Yamasaki, et al. Role of connexin (gap junction) genes in cell growth control and carcinogenesis (1999) Life Sciences 322: 151-159					
	AD		Asamoto et al. Connexin 32 Dominant-Negative Mutant Transgenic Rats are Resistant to Hepatic Damage by Chemicals (2004) Hepatology 40: 205-210					
EXAMINER				DATE CONSIDERED				
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								